# **1963 INDEX**

A

AAAS Committee on Science in the Promotion of Human Welfare, Science and the Race Problem, 366–371

Abramson, D. I. (ed.), Blood Vessels and Lymphatics, 410

Advances in Agronomy, 14, 396

Advances in Biological and Medical Physics, VIII, 429

Advances in Enzymology, XXIII, 436

Advances in Food Research, 11, 208

Advances in Genetics, 10, 194

Advances in Morphogenesis, 2, 206

Advances in Neuroendocrinology, 421

Advances in Pest Control Research, IV & V, 424 Advances in Virus Research, 7, 107

---, 8 & 9, 217

\_\_, 9, 441

Allen, D. L., Our Wildlife Legacy, rev. ed., 191 Allen, G. M., Bats, 205

Allen, M. B. (ed.), Comparative Biochemistry of Photoreactive Systems, 1, 106

Alvariño, A., Two New Pacific Chaetognaths, 408

Allwood, M. C., Carnations for Everyman, 203
Amphibia, nuclear transplantation in, and the importance of stable nuclear changes in promoting cellular differentiation, 54-78

Amphibia, modern, relationships of, 26-53

Amphibian pronephros, 1-25

Amphitropical relationships in the floras of North and South America, 151-177

Amphitropical relationships in the herbaceous flora of the Pacific coast of North and South America: a symposium, 109-177

Amphitropical species pairs in Microseris and Agoseris (Compositae: Cichorieae), 124-140

Anderson, D. M., The Weevil Genus Smicronyx in America North of Mexico (Coleoptera: Curculionidae), 406

Andrews, H. L., Radiation Biophysics, 105

Angevine, J. B., E. L. Mancall, and P. I. Yakovlev, The Human Cerebellum, 411

Animal Growth and Development (book reviews), 205,i 272, 412

Animal Morphblogy (book reviews), 100, 207, 274, 409 Animal Nutrition (book reviews), 207, 278, 422 Animal patterns, biological foundations of, 289– 327

Animal Physiology (book reviews), 103, 209, 276, 413

Annual Review of Nuclear Science, 11, 430

—, 12, 430

Annual Review of Plant Physiology, 13, & 14, 394

Annual Survey of Psychoanalysis, VI, 446

Asexuality, emergence of, in protozoa, 234-242 Ashley, D. J. B. and R. W. Evans, Human Inter-

Asimov, I., The Genetic Code, 260

Auerbach, C., Mutation, Pt. 1, 260

Austin, M. and E. B. Smith (ill.), The Land of Little Rain, 257

Axelrod, D. I., A Pliocene Sequoiadendron Forest from Western Nevada, 193

В

Bailey, N. T. J., Introduction to the Mathematical Theory of Genetic Linkage, 388

Baltzer, F., Theodor Boveri, 245

Barker, D. (ed.), Symposium on Muscle Receptors, 103

Barnard, J. L., R. J. Menzies, and M. C. Bacescu, Abyssal Crustacea, 203

Barnes, R. D., Invertebrate Zoology, 399

Barnett, A., The Human Species, 287

Barrett, J. W. (ed.), Regional Silviculture of the United States, 396

Bedichek, R., Adventures with a Texas Naturalist, 255

Beevers, H., Respiratory Metabolism in Plants, 201

Behavior, some aspects of the embryology of, 342-365

Belkin, J. N. and C. L. Hogue (ill.), The Mosquitoes of the South Pacific (Diptera, Culicidae), I & II, 93

Bénézech, C., L'Eau, Base Structurale et Fonctionnelle des Etres Vivants, 428

Berland, T., The Scientific Life, 374

Betts, A. O., H. Koprowski, et al., Comparative Virology, 442

Bibliography of Medical Translations, 450

Bicknell, F., Chemicals in Your Food, 209

Bigelow, H. B. and W. C. Schroeder, New and Little Known Batoid Fishes from the Western Atlantic, 204

BIOCHEMISTRY (book reviews), 106, 213, 281, 431 Biological foundations of animal patterns, 289– 327

Biology, genetics, and evolution of man, 243–245
BIOLOGY: HISTORY AND BIOGRAPHY (book reviews), 81, 186, 251, 376

BIOMETRY (book reviews), 447

BIOPHYSICS AND GENERAL PHYSIOLOGY (book reviews), 103, 211, 280, 427

BIRDSELL, J. B., The Origin of Human Races, 178-185

Bishop, D. W. (ed.), Spermatozoan Motility, 420 Blowers, J. W., Orchids, 203

Boissevain, E., F. P. Conant, et al., Anthropology and Africa Today, 446

Bolton, J. L., Alfalfa, 398

Bonner, J. T., The Ideas of Biology, 250

Borgstrom, G. (ed.), Fish as Food, 1, 98

---. 2, 425

Boulanger, P. and J. Polonovski (eds.), Traité de Biochemie Générale, 1, Pts., 1 & 2, 431

Bourne, G. H. and J. F. Danielli (eds.), International Review of Cytology, 12 & 13, 195

Boveri, Theodor: the cell biologists' embryologist, 245-249

Boyd, W., Introduction to the Study of Disease, 5th ed., 443

Boyko, H. (ed.), Science and the Future of Mankind, 374

Bremekamp, C. E. B., The Various Aspects of Biology, 375

Breyfogle, W. A., Speak to the Earth, 254

Brinton, E., The Distribution of Pacific Euphausiids, 401

Brock, L. F., Recent Advances in Human Nutri-

Brock, J. F., Recent Advances in Human Nutrition, 208

Brown, S. C., Count Rumford, 81

Buchanan, A. R., Functional Neuro-Anatomy, 4th ed., 207

Burdette, W. J. (ed.), Methodology in Mammalian Genetics, 260

Burnham, C. R., Discussions in Cytogenetics, 196

Burroughs, R. D. (ed.), Natural History of the Lewis and Clark Expedition, 254

Busch, H., Introduction to the Biochemistry of the Cancer Cell, 106 Butler, J. A. V., H. E. Huxley, and R. E. Zirkle (eds.), Progress in Biophysics and Biophysical Chemistry, 12, 211

Butterfield, H., The Origins of Modern Science, rev. ed., 186

C

Cahn, T., La Vie el l'Oeuvre d'Etienne Geoffrey Saint-Hilaire, 878

Carlquist, S., Comparative Plant Anatomy, 391 Carpenter, P. L., Microbiology, 284

Casey, E. J., Biophysics, 427

Cellular differentiation, the importance of stable nuclear changes in promoting, and nuclear transplantation in amphibia, 54-78

Chase, G. D., Principles of Raioisotope Methodology, 437

Cheldelin, V. H., Metabolic Pathways in Microorganisms, 282

Chemsak, J. A., Taxonomy and Bionomics of the Genus Tetraopes, 408

Chuang, S. H., On Malayan Shores, 82

Cichorieae, amphitropical relationships, 124–140

Ciferri, R., Mycoflora Domingensis Integrata, 2nd ed., 261

Clapham, A. R., T. G. Tutin, and E. F. Warburg, Flora of the British Isles, 2nd ed., 84

Clapp, J., Museum Publications, Pt. II, 287 Clark, A. M., Starfishes and Their Relations, 270

Clark, F. and J. K. Grant (eds.), The Biochemistry of Mucopolysaccharides of Connective Tissue, 434

Clark, R. L. (introd.), The Molecular Basis of Neoplasia, 217

Clausen, L. W., Insect Fact and Folklore, 190

Cockrum, E. L., Introduction to Mammalogy, 272

—, Laboratory and Field Manual for Introduction to Mammalogy, 2nd ed., 272

Coker, R. E., This Great and Wide Sea, 192

Cole, H. H. (ed.), Introduction to Livestock Production, 426

Collin, J. E., British Flies, VI, 405

Collins, J. C. (ed.), Radioactive Wastes, 449

COMMENTARY: Science and the Race Problem, 366-371

Compositae, amphitropical relationships, 124-140, 141-150

Conn, E. E. and P. K. Stumpf, Outlines of Biochemistry, 431 CONSTANCE, L., Symposium on Amphitropical Relationships in the Herbaceous Flora of the Pacific Coast of North and South America: Introduction and Historical Review, 109-116

Contributions to Embryology, XXXVII, nos. 252-258, 272

Converse, J. M., B. O. Rogers, et al., Fifth Tissue Homotransplantation Conference, 274

Coon, C. S., The Origin of Races, 178

Corliss, J. O., The Ciliated Protozoa, 267

Crafts, A. S., The Chemistry and Mode of Action of Herbicides, 265

Crosby, E. C., T. Humphrey, et al., Correlative Anatomy of the Nervous System, 410

Cummins, H. and C. Midlo, Finger Prints, Palms and Soles, 287

Curtis, B., The Life Story of the Fish, 192

#### D

Darwin, Sir F. (ed.), Charles Darwin's Autobiography, 186

Davis, D. E. and F. B. Golley, Principles in Mammalogy, 271

Delevoryas, T., Morphology and Evolution of Fossil Plants, 259

Dennis, R. W. G., British Cup Fungi and Their Allies, 200

DE OMNIBUS REBUS ET QUIBUSDAM ALIIS (book reviews), 220, 287, 448

Dew, ecological importance of, 328-341

Dobzhansky, T., Mankind Evolving, 243

Doncaster, J. P., Francis Walker's Aphids, 403

Downes, H. R., The Chemistry of Living Cells, 2nd ed., 281

Dubos, R., The Unseen World, 190

#### 1

Eastop, V. F., A Study of the Aphididae of West Africa, 403

Ecological importance of dew, 328-341

ECOLOGY AND NATURAL HISTORY (book reviews), 81, 190, 253, 380

ECONOMIC BOTANY (book reviews), 85, 201, 265, 396

ECONOMIC ZOOLOGY (book reviews), 97, 205, 279, 423

Edland, H., Encyclopedia of Roses in Natural Color, 399

Ehrensvärd, G., Life, 258

Ehrlich, P. R. and A. H. Ehrlich, et al., How to Know the Butterflies, 404 Eiseley, L., The Firmament of Time, 79

-----, Francis Bacon and the Modern Dilemma, 186

Eissler, R. S., A. Freud, et al. (eds.), The Psychoanalytic Study of the Child, XVII, 288

Embryology of behavior, some aspects of, 342-365

Emergence of asexuality in protozoa, 234-242 Evans, H. E., Wasp Farm, 382

—, A Revision of the Genus Pseudisobrachium in North and Central America, 406

EVOLUTION (book reviews), 82, 192, 258, 383

Experimental studies in two genera of Heleniae (Compositae): Blennosperma and Lasthenia, 141-150

#### F

Feremutsch, K., Primatologia, II, Pt. 2, If. 6, 411
 Feuer, L. S., The Scientific Intellectual, 372
 Fingerman, M., The Control of Chromatophores, 414

Floras of North and South America, amphitropical relationships in, 151-177

Florkin, M. and E. H. Stotz, Comprehensive Biochemistry, V, 433

Fox, H., The Amphibian Pronephros, 1-25

Françon, M., Progress in Microscopy, 431

Fretter, V. and A. Graham, British Prosobranch Molluscs. 269

Frisch, Karl von, About Biology, 375

—, Erinnerungen eines Biologen, 2nd ed., 379 Fulmek, I.., Parasitinsekten der Blattminierer Europas, 442

#### G

Genders, R., Colour All the Year Round, 203

-, Garden Pinks, 202

-, Gladioli and the Miniatures, 203

----, Miniature Bulbs, 399

—, Miniature Chrysanthemums and Koreans, 203

-----, Primroses, 202

General and Systematic Botany (book reviews), 84, 197, 261, 389

General and Systematic Zoology (book reviews), 90, 203, 267, 399

GENETICS AND CYTOLOGY (book reviews), 83, 193, 260, 385

GENERAL BIOLOGY: PHILOSOPHY AND EDUCATION (book reviews), 79, 186, 250, 372

Ghauri, M. S. K., The Morphology and Taxonomy of Male Scale Insects, 402 Gill, G. D., The Heleomyzid Flies of America North of Mexico, 406

Gillett, K. and F. McNeill, The Great Barrier Reef and Adjacent Isles, rev ed., 190

Gjerløv-Knudsen, The Philosophy of Form, 189 Glass, B. (ed.), Survey of Biological Progress, IV, 80

Goin, C. J. and O. B. Goin, Introduction to Herpetology, 270

Gordon, B. L., A Guide Book to the Marine Fishes of Rhode Island, 97

Grabar, P., P. Burtin, et al., Analyse Immuno-Électrophorétique, 438

Grassé, P. P. (under the direction of), Traité de Zoologie, IV, 90

Greene, J. C., Darwin and the Modern World View, 187

Gregg, R. E., The Ants of Colorado, 269

Guillemin, R. and P. Lindgren (eds.), Pharmacological Control of Release of Hormones including Antidiabetic Drugs, 417

Gunsalus, I. C. and R. Y. Stanier, The Bacteria, II, III, & IV, 215

GURDON, J. B., Nuclear Transplantation in Amphibia and the Importance of Stable Nuclear Changes in Promoting Cellular Differentiation, 54–78

#### н

Hainline, A. Jr., et al., Automated and Semi-Automated Systems in Clinical Chemistry, 439

Haley, T. J. and R. S. Snider (eds.), Response of the Nervous System to Ionizing Radiation, 421

HAMBURGER, V., Some Aspects of the Embryology of Behavior, 342-365

Hanson, H. C., Dictionary of Ecology, 253

Hardy, D. E., Insects of Hawaii, 10, 93

Harper, J. L. (ed.), The Biology of Weeds, 202
 Harris, J. E. (ed.), Vertebrate Locomotion, 422
 Harris, R. J. C. (ed.), The Problems of Laboratory Animal Disease, 218

Harris, R. S. and D. J. Ingle, Vitamins and Hormones, 19, 416

\_\_\_\_, 20, 416

Harrison, G. A. (ed.), Genetical Variation in Human Populations, 197

Harrow, B. and A. Mazur, Textbook of Biochemistry, 8th ed., 432

Hart, I. B., The World of Leonardo da Vinci, 251 HAWES, R. S. J., The Emergence of Asexuality in Protozoa, 284-242

HEALTH AND DISEASE (book reviews), 108, 217, 443

HECKARD, L. R., The Hydrophyllaceae, 117-123 Heleniae, amphitropical relationships, 141-150

Herbaceous flora of the Pacific Coast of North and South America, amphitropical relationships in the, 109-177

Hickling, C. F., Tropical Inland Fisheries, 426 Hines, N. O., Proving Ground, 212

Holum, J., Elements of General and Biological Chemistry, 281

Hooke, R., Micrographia, 81

Horecker, B. L., Pentose Metabolism in Bacteria, 434

Horsfall, W. R., Medical Entomology, 97

Howells, W., The Heathens, 287

Hubbell, T. H., The Sibling Species of the Alutacea Group of the Bird-Locust Genus Schistocera, 402

Hughes, A. M., The Mites of Stored Food, 97Hughes, H. D., M. E. Heath, and D. S. Metcalfe (eds.), Forages, 2nd ed., 398

HUMAN BIOLOGY (book reviews), 219, 286, 446Humphrey, H. B., Makers of North American Botany, 378

Hunter, R. and I. Macalpine (eds.), Three Hundred Years of Psychiatry 1535–1860, 379 Hydrophyllaceae, 117–123

1

Inger, R. F. and C. P. Kong, The Fresh-Water Fishes of North Borneo, 204

Ingold, C. T., The Biology of Fungi, 200

Inhoffen, H. H. (ed.), Über Sterine, Gallensäuren und verwandte Naturstoffe, II, 2nd ed., 435

Introduction and historical review: symposium on amphitropical relationships in the herbaceous flora of the Pacific coast of North and South America, 109-116

Ivlev, V. S., Experimental Ecology of the Feeding of Fishes, 81

I

Jaeger, E. C., Desert Wildlife, 191

Janick, J., Horticultural Science, 397

Johnson, T. W., Jr. and F. K. Sparrow, Jr., Fungi in Oceans and Estuaries, 200

Jollie, M., Chordate Morphology, 102

Jolliffe, N. (ed.), Clinical Nutrition, 2nd ed., 422

Jones, F. A. (ed.), Clinical Aspects of Genetics, 387

Jones, I. C. (ed.), Hormones in Fish, 417

#### K

Karlstrom, E. L., The Toad Genus Bufo in the Sierra Nevada of California, 257

Katayama, M., Serranidae (Pisces), 95

Kavanagh, F. (ed.), Analytical Microbiology, 216Keen, A. M., Marine Molluscan Genera of Western North America, 400

Kendeigh, S. C., Animal Ecology, 380

Kennedy, J. S. (ed.), Insect Polymorphism, 92 Kimmins, D. E., Miss L. E. Cheeseman's Expeditions to New Guinea, 404

King, R. C., Genetics, 385

Kinsler, L. and A. R. Frey, Fundamentals of Acoustics, 2nd ed., 280

Klingman, G. C., Weed Control: As a Science, 202

Klopfer, P. H., Behavioral Aspects of Ecology, 445

Knights, E. M., R. P. MacDonald, and J. Ploompuu, Ultramicro Methods, 2nd ed., 438

Koo, T. S. Y. (ed.), Studies of Alaska Red Salmon, 425

Kramp, P. L., Synopsis of the Medusae of the World, 400

Kriss, A. E., Meeres-Mikrobologie, 285

—, Marine Microbiology, 439

Kroeber, A. L., A Roster of Civilizations and

Culture, 376

Krutch, J. W. and P. S. Eriksson (eds.), A

Treasury of Birdlore, 191 Kühn, A., Grundriss der allgemeinen Zoologie,

Kummel, B., History of the Earth, 383

14th ed., 267

#### T.

Laborit, H., Du Soleil à l'Homme, 428

Lagler, K. F., J. E. Bardach, and R. R. Miller, Ichthyology, 270

Laidlaw, F. F. and A. Solem, The Land Snail Genus Amphidromus, 91

Lane, F. W., Nature Parade, 192

Lasker, G. W., The Evolution of Man, 193

Lea, D. E., Actions of Radiations on Living Cells, 2nd ed., 213

Lederer, E. (ed.), Chromatographie, I & II, 282Leeper, G. W. (ed.), The Evolution of LivingOrganisms, 384

Leibersperger, E., Die Oxyuroidea der Europäischen Arthropoden, 268

Lenhoff, H. M. and W. F. Loomis (eds.), The Biology of Hydra, 267

Leone, C. A. (ed.), Effects of Ionizing Radiations on Immune Processes, 104

Lewin, R. A. (ed.), Physiology and Biochemistry of Algae, 395

Lewis, E. B. (ed.), Selected Papers of A. H. Sturtevant: Genetics and Evolution, 194

Libíková, H. (ed.), Biology of the Viruses of the Tick-Borne Encephalitis Complex, 444

Lind, L. R. (trans. and ed.), Aldrovandi on Chickens, 252

Linsley, E. G., The Cerambycidae of North America, II, III, & IV, 407

Loutit, J. F., Irradiation of Mice and Men, 211 Lucas, A. M. and C. Jamroz, Atlas of Avian Hematology, 409

Lwoff, A., Biological Order, 188

# M

Macbride, J. F., Flora of Peru, V-B, 1, 262; V C, 1 & V, 2, 391

McCance, R. A. (introd.), Foetal and Neonatal Physiology, 412

MacFarlane, R. G. and A. H. T. Robb-Smith (eds.), Functions of the Blood, 277

MacGinite, H. D., The Kilgore Flora, 384

McKee, H. S., Nitrogen Metabolism in Plants, 263

McKenny, M. and D. E. Stuntz, The Savory Wild Mushroom, 266

McKusick, V. A., et al., Medical Genetics, 386

Martin, A. C., H. S. Zim and A. L. Nelson, American Wildlife & Plants, 192

Maule, J. P. (ed.), The Semen of Animals and Artificial Insemination, 99

MAYR, E., The Biology, Genetics, and Evolution of Man, 243-245

— and J. C. Greenway, Jr. (eds.), Check-List of the Birds of the World, XV, 409

Medcof, J. C., Oyster Farming in the Maritimes, 279

Meyer, H. A., A. B. Recknagel, et al., Forest Management, 2nd ed., 266

Meynell, G. G. and H. Gooder (eds.), Microbial Reaction to Environment, 440

MICROBIOLOGY (book reviews), 107, 215, 283, 439
Mitchell, H. H., Comparative Nutrition of Man
and Domestic Animals, 1, 278

Moore, R. C. (ed.), Treatise on Invertebrate Paleontology, Pt. W, 193

— and C. W. Pitrat (eds.), Treatise on Invertebrate Paleontology, Pt. 1, 192

Montagna, W. and R. A. Ellis (eds.), Blood Vessels and Circulation, 11, 415

Moon, H. D. (ed.), The Adrenal Cortex, 418 Morgan, J. T. and D. Lewis (eds.), Nutrition of Pigs and Poultry, 278

Muir-Wood, H. M., On the Morphology and Classification of the Brachiopod suborder Chonetoidea, 259

Muller, H. J., Studies in Genetics, 385 Müntzing, A., Genetic Research, 387 Munz, P. A., California Spring Wildflowers, 390

—, California Mountain Wildflowers, 390
—, California Desert Wildflowers, 390

Murie, A., A Naturalist in Alaska, 254

## N

Needham, P. R. and R. Gard, Rainbow Trout in Mexico and California, 96

Netter, F. H., Digestive System, Pt. II, 275

New York Academy of Sciences:

Anthropology and Africa Today, 446

Applications and Methods of Counting and Sizing in Medicine and Biology, 449

Automated and Semi-Automated Systems in Clinical Chemistry, 439

Comparative Virology, 442

ence, 274

Hepatotoxicity of Therapeutic Agents, 443

Rhythmic Functions in the Living System, 413 Tissue Homotransplantation, Fifth Confer-

Use of Animal Cell, Tissue, and Organ Cultures in Radiobiology, 105

Neyman, J. (ed.), Proceedings of the Fourth Berkeley Symposium on Mathematical Statistics and Probability, IV, 447

Nichols, D., Echinoderms, 408

Nunberg, H. and E. Federn (eds.), Minutes of the Vienna Psychoanalytic Society, I, 288

## C

O'Brien, R. D., Toxic Phosphorus Esters, 213 O'Connor, J. and G. G. Goodwin, The Big Game Animals of North America, 205

Odhiambo, T. R., Review of Some Genera of the subfamily Bryocorinae, 204

Odishaw, H. (ed.), The Challenges of Space, 450 Origin of human races, 178–185 ORNDUFF, R., Experimental Studies in Two Genera of Heleniae (Compositae): Blennosperma and Lasthenia, 141-150

OPPENHEIMER, J., Theodor Boveri: The Cell Biologists' Embryologist, 245-249

#### P

Pacific Coast of North and South America, amphitropical relationships in the herbaceous flora: a symposium, 109–177

Padoa, E., Biologia Generale, 2nd ed., 250

Parasitology (book reviews), 214, 286, 442

Parker, T. J. and W. A. Haswell, rewritten by A. J. Marshall, A Text-Book of Zoology, 7th ed., 94

Parratt, L. G., Probability and Experimental Errors in Science, 448

Parsons, T. S. and E. E. WILLIAMS, The Relationships of the Modern Amphibia: A Re-examination, 26–53

Penfold, A. R. and J. L. Willis, The Eucalypts, 88

Peyton, M. F., Proceedings of the Fourth Annual Tri-Science Conference on the Biological Effects of Microwave Radiation, 280

Pfadt, R. E. (ed.), Fundamentals of Applied Entomology, 423

Pfeiffer, C. C. and J. R. Smythies (eds.), International Review of Neurobiology, 4, 421

Pflugfelder, O., Lehrbuch der Entwicklungsgeschichte und Entwicklungsphysiologie der Tiere, 272

Pilet, P. É., Les Phytohormones de Croissance, 265

Pincus, H. J. (ed.), Great Lakes Basin, 383

Pincus, G. (ed.), Recent Progress in Hormone Research, XVII, 209

Piveteau, J. (under the direction of), Mammifères, VI, 1, 82

PLANT MORPHOLOGY (book reviews), 263, 391

PLANT PHYSIOLOGY (book reviews), 201, 263, 394 Polhamus, L. G., Rubber, 89

Pomerat, C. M. and D. C. White, The Use of Animal Cell, Tissue, and Organ Cultures in Radiobiology, 105

Pond, A. W., The Desert World, 255

Price, D. J. de Solla, Little Science, Big Science, 373

Pronephros, the amphibian, 1-25

Protozoa, the emergence of asexuality in, 234-242 Psychology and Animal Behavior (book reviews), 108, 444

Putnam, F. W. (ed.), The Plasma Proteins, I & II, 435

## R

Rabotnowa, I. L., Die Bedeutung physikalischchemischer Faktoren (pH und rH<sub>2</sub>) für die Lebenstätigkeit der Mikroorganismen, 440

Randhawa, M. S., Zygnemaceae, 197

Rashevsky, N. (ed.), Physicomathematical Aspects of Biology, 427

RAVEN, P. H., Amphitropical Relationships in the Floras of North and South America, 151–177

—, The Systematics of Oenothera subgenus Chylismia, 201

Relationships of the modern amphibia: a reexamination, 26-53

Rich, L. D., The Natural World of Louise Dickinson Rich, 256

Richards, O. W., A Revisional Study of the Masarid Wasps, 406

Rivera, J. A., Cilia, Ciliated Epithelium and Ciliary Activity, 275

Rock, J., The Time has Come, 286

Rogers, T. A., Elementary Human Physiology, 418

Rostand, J., Error and Deception in Science, 189

Rybak, B., Cours de Zoophysiologie, I & II, 276

## S

Salisbury, E., Weeds & Aliens, 202

Sanderson, I. T., Animal Treasure, 258

Santillana, G. de, The Origins of Scientific Thought, 376

Schaller, F., Die Unterwelt des Tierreiches, 381
Schell, S. C., Parasitology: Laboratory Manual,
215

Schubert-Soldern, R., Mechanism and Vitalism, 251

Schultz, L. P., Review of the Parrotfishes, Family Scaridae, 95

Schweinfurth, C., Orchids of Peru, Pts. 3 & 4, 262

Science and the race problem, 366-371

Selve, H., Calciphylaxis, 414

Seters, W. H. van, Pierre Lyonet 1706-1789, 377

Setlow, R. B. and E. C. Pollard, Molecular Biophysics, 103 Shapiro, H. L., The Heritage of the Bounty, 287 Simkiss, K., Bird Flight, 210

Simpson, G. G., Life of the Past, 193

\_\_\_\_, The Meaning of Evolution, 193

Singer, R., Mushrooms and Truffles, 86

Singh, L. B., The Mango, 88

Sistrom, W. R., Microbial Life, 283

Skinner, H. C. (ed.), Tulane Studies in Geology 1, no. 1, 259

Sleigh, M. A., The Biology of Cilia and Flagella, 274

Slijper, E. J., Whales, 257

Slobodkin, L. B., Growth and Regulation of Animal Populations, 381

Smithsonian Institution, Annual Report 1959 & 1960, 220

\_\_\_, 1961, 448

—, Author-Subject Index to Articles in Smithsonian Annual Reports 1849–1961, 448

Snider, R. S. and J. C. Lee, A Stereotaxic Atlas of the Monkey Brain (Macaca mulatta), 275

— and W. T. Niemer, A Stereotaxic Atlas of the Cat Brain, 275

Snyder, T. E., Supplement to the Annotated, Subject-Heading Bibliography of Termites 1955 to 1960, 204

Some aspects of the embryology of behavior, 342-365

SONDHI, K. C., The Biological Foundations of Animal Patterns, 289–327

Sporne, K. R., The Morphology of Pteridophytes, 263

Stanier, R. Y., M. Doudoroff, and E. A. Adelberg, The Microbial World, 2nd ed., 284

Stapp, C., Bacterial Plant Pathogens, 265

Steinberg, A. G. and A. G. Bearn (eds.), Progress in Medical Genetics, 2, 261

Steward, F. C. (ed.), Plant Physiology, IB, 395Stoll, N. R. (ed.), International Code of Zoological Nomenclature, 399

STONE, E. C., The Ecological Importance of Dew, 328–341

Storer, T. I. and R. L. Usinger, Elements of Zoology, 2nd ed., 203

STUNKARD, H. W., Systematics, Taxonomy, and Nomenclature of the Trematoda, 221-233

Sussman, A. S., Biology through Microbes, 216

Swain, T. (ed.), Chemical Plant Taxonomy, 389 Symposia:

Adrenergic Mechanisms, 418

Anthropology and Africa Today, 446

Applications and Methods of Counting and Sizing in Medicine and Biology, 449

Automated and Semi-Automated Systems in Clinical Chemistry, 489

Bilharziasis, 286

Biochemistry of Mucopolysaccharides of Connective Tissue, 434

Biological Effects of Microwave Radiation, 280

**Blood Vessels and Circulation, 415** 

Clinical Aspects of Genetics, 387

Comparative Biochemistry of Photoreactive Systems, 106

Comparative Virology, 442

Effects of Ionizing Radiations on Immune Processes, 104

Evolution of Living Organisms, 384

Foetal and Neonatal Physiology, 412

Genetical Variation in Human Populations, 197

Great Lakes Basin, 383

Hepatotoxicity of Therapeutic Agents, 443

Hormones in Fish, 417

Insect Polymorphism, 92

Mathematical Statistics and Probability, Fourth Berkeley Symposium, 447

Metabolic Effects of Adrenal Hormones, 419 Microbial Reaction to Environment, 440

Molecular Basis of Neoplasia, 217

Muscle Receptors, 103

Nutrition of Pigs and Poultry, 278

Pharmacological Control of Release of Hormones including Antidiabetic Drugs, 417

Physicomathematical Aspects of Biology, 427 Problems of Laboratory Animal Disease, 218 Quinones in Electron Transport, 437

Recent Progress in Hormone Research, XVII, 209

Response of the Nervous System to Ionizing Radiation, 421

Rhythmic Functions in the Living System, 413 Somatic Stability in the Newly Born, 412 Spermatozoan Motility, 420

Tissue Homotransplantation, Fifth Conference, 274

Uber Sterine, Gallensäuren und verwandte Naturstoffe, 435

Use of Animal Cell, Tissue, and Organ Cultures in Radiobiology, 105

Vertebrate Locomotion, 422

Symposium: amphitropical relationships in the herbaceous flora of the Pacific Coast of North and South America, 109-177

Systematics, taxonomy, and nomenclature of the Trematoda, 221-233

#### T

Tarr, S. A. J., Diseases of Sorghum, Sudan Grass and Broom Corn, 266

Theodor Boveri: the cell biologists' embryologist, 245-249

Till, W. M., Ethiopian Mites of the Genus Androlaelaps Berlese s. lat., 401

Tite, G. E., A Synonymic List of the Genus Nacaduba and Allied Genera, 204

Tolles, W. E., et al., Applications and Methods of Counting and Sizing in Medicine and Biology, 449

Tomlinson, P. B., Anatomy of the Monocotyledons, II, 393

Torrey, T. W., Morphology of the Vertebrates, 100

Transplantation, nuclear, in amphibia and the importance of stable nuclear changes in promoting cellular differentiation, 54–78

Trefethen, J. B., Crusade for Wildlife, 205

Trematoda, systematics, taxonomy, and nomenclature of, 221-233

Turnbull, C. M., The Forest People, 446

Tylor, Sir E. B., Anthropology, 446

## U

Utkin, I. A. (ed.), Theoretical and Practical Problems of Medicine and Biology in Experiments on Monkeys, 108

## V

Varley, H., Practical Clinical Biochemistry, 3rd ed., 281

Vincent, E. L. and P. C. Martin, Human Psychological Development, 444

Vogel, H. J., V. Bryson, and J. O. Lampen (eds.), Informational Macromolecules, 436

## W

Waddington, C. H., New Patterns in Genetics and Development, 83

Waley, S. G., Mechanisms of Organic and Enzymic Reactions, 282

Walker, R. N., Body Build and Behavior in Young Children: I. Body Build and Nursery School Teachers' Ratings, 447 Wallis, J. B., The Cicindelidae of Canada, 407Warburg, O. H., Weiterentwicklung der zell-physiologischen Methoden, 428

Washburn, S. L. (ed.), Social Life of Early Man, 219

Watanabe, M., Cottidae (Pisces), 95

Waterson, A. P., Introduction to Animal Virology, 442

Welles, S. P., A New Species of Elasmosaur from the Aptian of Columbia and a Review of the Cretaceous Plesiosaurs, 384

Wellman, F. L., Coffee, 87

Wells, M. J., Brain and Behavior in Cephalopods, 108

West, E. S., Textbook of Biophysical Chemistry, 3rd ed., 213

Whitaker, T. W. and G. N. Davis, Cucurbits, 87 White, E. G., Genetics, 385

White, F. and A. Angus, Forest Flora of Northern Rhodesia, 391

Wiley, F. A. (ed.), Ernest Thompson Seton's America, 257

WILLIAMS, ERNEST E. and T. S. PARSONS, The Relationships of the Modern Amphibia: A Re-examination, 26-53

Williams, R. H. (ed.), Textbook of Endocrinology, 3rd ed., 277

Willius, F. A. and T. E. Keys, Classics in Cardiology, I & II, 186

Wilsie, C. P., Crop Adaptation and Distribution, 85

Winkler, A. J., General Vitaculture, 397

Winterringer, G. S. and R. A. Evers (eds.), New Records for Illinois Vascular Plants, 389

Wirtschafter, Z. T., The Genesis of the Mouse Skeleton, 206

Wohl, M. G. and R. S. Goodhart (eds.), Modern Nutrition in Health and Disease, 2nd ed., 209

Wolf, W., et al., Rhythmic Functions in the Living System, 413

Wolstenholme, G. E. W. and C. M. O'Connor (eds.), Quinones in Electron Transport, 437

Wolstenholme, G. E. W. and M. O'Connor, Bilharziasis, 286

—, Metabolic Effects of Adrenal Hormones, 419

—, Somatic Stability in the Newly Born, 412
— and J. R. Vane, Adrenergic Mechanisms, 418

Wood, W. B., From Miasmas to Molecules, 444 Woods, H., Palaeontology, 8th ed., 193

Wróblewski, F., H. E. Ticktin, et al., Hepatotoxicity of Therapeutic Agents, 443

## Y

Young, G. G., Witton's Microbiology, 3rd ed., 285

Young Naturalist (book reviews), 190 Young, W. C. (ed.), Sex and Internal Secre-

tions, I & II, 3rd ed., 419

# Z

Zechmeister, L. (ed.), Progress in the Chemistry of Organic Natural Products, 19, 214 ——, 20, 214